

IN THE CLAIMS

Claim 1 (Currently Amended). A two-layer pressure-sensitive adhesive comprising a first pressure sensitive adhesive layer joined to a second pressure-sensitive adhesive layer, wherein said first and second layers are in contact with each other or one of them is anchored to the other by a primer, the first layer being a heat-activatable pressure-sensitive adhesive which has a static glass transition temperature $T_{g,a}$ or a melting point $T_{m,a}$ of at least +30°C; and the second layer being a polyacrylate pressure-sensitive adhesive which has a static glass transition temperature of not more than +15°C.

Claim 2 (Previously Presented). The pressure-sensitive adhesive of claim 1, wherein the heat-activatable pressure-sensitive adhesive of the first layer is a thermoplastic polymer.

Claim 3 (Previously Presented). The pressure-sensitive adhesive of claim 1 wherein the heat-activatable pressure-sensitive adhesive of the first layer is selected from the group consisting of polyesters, copolyesters, polyamides, copolyamides, polyolefins, polyurethanes and polymethacrylates.

Claim 4 (Withdrawn). The pressure-sensitive adhesive of claim 1, wherein the heat-activatable pressure-sensitive adhesive of the first layer comprises an elastomer and at least one reactive resin.

Claim 5 (Withdrawn / Previously Presented). The pressure-sensitive adhesive of claim 1, wherein the heat-activatable pressure-sensitive adhesive of the first layer comprises a polymer which in relation to the polymer weight comprises

(a1) 70% to 100% by weight of acrylic esters, methacrylic esters, the free acids of said acrylic esters and methacrylic esters, with the formula $\text{CH}_2=\text{C}(\text{R}_1)(\text{COOR}_2)$, R_1

being H or CH₃ and R₂ being H or alkyl chains having 1 to 30 carbon atoms, and combinations of said acrylic esters, methacrylic esters, and their acids; and

(a2) 0 to 30% by weight of olefinically unsaturated monomers containing functional groups.

Claim 6 (Previously Presented). The pressure-sensitive adhesive of claim 1, wherein the polyacrylate pressure-sensitive adhesive of the second layer comprises a polymer which in relation to the polymer weight comprises

(b1) 79% to 100% by weight of acrylic esters, methacrylic esters, the free acids of said acrylic esters and methacrylic esters, with the formula CH₂=C(R₃)(COOR₄), R₃ being H and/or CH₃ and R₄ being H and/or alkyl chains having 1 to 30 carbon atoms, and combinations of said acrylic esters, methacrylic esters and their acids; and

(b2) 0 to 30% by weight of olefinically unsaturated monomers containing functional groups.

Claim 7 (Previously Presented). A process for preparing the pressure-sensitive adhesive of claim 1, which comprises applying the heat-activatable pressure-sensitive adhesive of the first layer from solution to the polyacrylate pressure-sensitive adhesive of the second layer.

Claim 8 (Previously Presented). A process for preparing the pressure-sensitive adhesive of claim 1, which comprises applying the heat-activatable pressure-sensitive adhesive of the first layer from the melt to the polyacrylate pressure-sensitive adhesive of the second layer.

Claim 9 (Previously Presented). A process for preparing the pressure-sensitive adhesive of claim 1, which comprises bringing together the heat-activatable

pressure-sensitive adhesive of the first layer and the polyacrylate pressure-sensitive adhesive of the second layer by coextrusion.

Claim 10 (Previously Presented). The process of claim 7, further comprising the step of crosslinking the polyacrylate pressure-sensitive adhesive of the second layer or the polyacrylate pressure-sensitive adhesives of both the first and second layers.

Claim 11 (Previously Presented). A pressure-sensitive adhesive tape comprising the pressure-sensitive adhesive of claim 1.

Claim 12 (Previously Presented). The process of claim 8, further comprising the step of crosslinking the polyacrylate pressure-sensitive adhesive of the second layer or the polyacrylate pressure-sensitive adhesives of both the first and second layers.

Claim 13 (Previously Presented). The process of claim 9, further comprising the step of crosslinking the polyacrylate pressure-sensitive adhesive of the second layer or the polyacrylate pressure-sensitive adhesives of both the first and second layers.